

ABSTRACT OF THE DISCLOSURE

A data output apparatus for writing and reading data on storage memories, especially such storage devices using storage media like an optical disk.

5 The apparatus efficiently reads data when writing and reading data in storage memories using storage media with a low writing and reading rate such as an optical disk.

10 The apparatus comprises: a first buffer 3 that retains the inputted data stream; writing means 4 for writing on the aforesaid recording medium the data stream held in the first buffer 3; second buffer 6 for holding the data stream to output to external device; reading means 7 for reading on to the second buffer 6 the data stream recorded on the recording medium; and predicting means 20 for predicting the duration W to consume the data stream held on the second buffer 6 on the basis of the duration needed for presentation of video information contained in the data stream held on the second buffer 6. That ensures that writing and reading are real-time.
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